

Hawaii Mill Engineers and Chemists in Annual Convention



The fifth annual convention of the Mill Engineers of the Hawaiian Engineering Association is being held at the Library of Hawaii and the Chemists' Association is now meeting jointly with the engineers. Each body is working along progressive lines in solving problems important to the sugar industry. The photo above was taken on the opening day, Monday, by the Star-Bulletin staff photographer.

CHEMISTS ENGINEERS CONSIDER MILL MACHINERY AND PROBLEMS

Members of the Hawaiian Mill Engineers' society and the Chemists' association met in joint session at the Library of Hawaii this morning and listened to and discussed reports on "Milling" and "Fire-room Efficiency." The joint session opened at 8:30 o'clock and continued until noon. At 1:30 p. m., the session reopened and the subjects under discussion were "Evaporators and Pans" and "Clarification."

W. G. Hall, of the Honolulu Iron Works, acted as chairman for the combined meeting. He introduced A. Kraft, of Waipahu, who read a paper by the committee on milling, which was later discussed by the delegates. The report dealt with the result obtained from the installation of new mill machinery, such as shredders. A number of letters from mill engineers cited advantages and defects in the use of the new machinery, and the remedy for these disadvantages was discussed this morning.

One complaint from the sugar-bollers declares that particles of fine fiber have found their way into the syrup and molasses and in somewhat greater quantities than before the cane was disintegrated. The sugar bollers claim that this fine fiber is specially noticed when grinding soft cane, that it makes the crystallizer massecuite more sticky and impedes the curing of the low grades.

At the Waipahu mill a set of Mecke-type knives was used for the greater part of the season, later being substituted with a set designed by R. B. Hine. Several times the Waipahu mill was forced to run without knives owing to breakdowns. It was discovered that, unless a maximum tonnage was ground, the installation proved to be uneconomical as far as fuel was concerned. A good deal of bagasse went up the smokestack in a carbonized state.

The boiling-house difficulties encountered were still more pronounced. The raw juice contained enormous amounts of cash-cash, settling was very slow, and although the bulk

of the suspended matter was removed by screening and filter-pressing, a great deal of minute particles were left in juice passing into the syrup and molasses. It is at the point when the latter are worked up into low grades that the presence of these solids was found most objectionable. They seemed to render the massecuite more viscous and purging is much retarded.

The conclusions obtained from the various letters from the mills were as follows, according to the committee's report:

The preparation of cane for milling, by either knives or shredders, increases the grinding capacity of the mill as well as the extraction of sugar. In reducing the cane to a very fine state, however, certain difficulties arise which must be overcome if the full benefit is to be derived from the additional installations. Provision must be made for preventing chips of cane from falling through the slats of the carrier; if the boiling apparatus is not able to utilize the additional exhaust steam produced from driving shredders, more heating surface must be added; reconstruction of the furnaces so as to be able to utilize the finer bagasse secured from the shredder. The finer bagasse is not as good fuel as the coarser variety, as much of it goes up the smokestack in a carbonized state; revision of the filtering station to remove large quantities of suspended matter in the raw juice.

Fire-room efficiency next took up the attention of chemists and engineers. The report of the committee on the matter strongly urged that an enforced boiler inspection be maintained, and the delegates were favorable to the recommendations. The delegates believe that now since milling and engineering has been brought to such a high plane, the attention of the engineers and chemists should be directed to the fire-room.

The ultimate end of fire-room efficiency should be to generate enough steam for the factory requirements at the lowest cost according to the report. Factors that affect the cost are: Capital invested, fuel, operation, repairs and depreciation. And one of the most important is safety.

The report urged the adoption of a systematic gauge for the boiler room, but cleanliness of boilers, it was pointed out, is more important than all the recorders put together. Sand blasts have been found to do the work more thoroughly and rapid. The committee reminded the engineers to keep all heating surfaces in the boiling house as clean as possible. Look after small steam leaks. Cover all exposed piping.

In summing up, the report again

Letters Posted After Thursday Take New Rates

All letters to be sent out of Honolulu and posted after Thursday of this week must have postage paid at the rate of three cents an ounce, or fraction thereof, before they can be delivered to the addressees. The new rate goes into effect Friday morning, November 2, and it applies to all first class mail except drop letters.

"Drop letters," Postmaster MacAdam explains, "means all letters mailed at a local postoffice for delivery by carriers, or to be put into a local postoffice box, or called for at the general delivery window. It does not apply to postal cards. All postals containing any writing of any sort, whether intended for local delivery or to be sent to some other postoffice, must be paid for at the rate of two cents per card, which includes the postal itself."

"The first mail to be affected by this new rate is the mail leaving for the train Friday morning. Mail directed to Fort Shafter, Fort Kamehameha, Pearl Harbor, Schofield, in fact for all of the forts except those which get their mail direct from the Honolulu postoffice, are subject to the three-cent rate."

"Mail leaving for the coast Wednesday will not be subject to this rate, but any and all first class mail postmarked on or after Friday, November 2, and intended for any postoffice other than Honolulu, must be prepaid at the rate of three cents an ounce, or fraction thereof, unless the writer is willing to have his correspondent at the other end of the line pay the additional postage. This additional postage does not mean simply an extra one-cent stamp for each letter—it means just what it says, one cent, extra, that is, three cents for every ounce or fraction thereof. If your letter weighs one ounce, or under, it will cost three cents; if it weighs a fraction over an ounce, it must carry six cents postage. In other words, wherever, under the old rate, you would use a two-cent stamp, you are now required to use three cents in postage if your letter is to go to any postoffice other than Honolulu."

Carl Andrews announced that on Thursday a demonstration of a machine to produce fuel and illuminating gas from gasoline will be performed for the chemists and engineers. They will later examine the new coal-gas station of the Inter-Island company at 1:30 p. m. A boat will carry the delegates across the harbor.

Tomorrow at 8:30 o'clock the subjects to be discussed are "Glucose Determination," and "Inversion Methods." In the afternoon General Topf and Agricultural Chemist will occupy the delegates' attention.

NOTICE.

The Irmandade de Nossa Senhora do Monte will hold a meeting at the secretary's residence, Kahikaha, on November 1, 1917, at 7:30 p. m. for the purpose of devising ways and means to aid the Portuguese Red Cross. All members are requested to attend.

6930—3t

LOUISIANA CANE MEN ASK HIGHER PRICE FOR SUGAR

NEW ORLEANS, Oct. 13.—Members of the executive committee of the American Cane Growers' association, representing all branches of the sugar industry in Louisiana, last night presented to John M. Parker, state food administrator, a statement to be forwarded to Federal Food Administrator Hoover, in which it was asserted the price of 7.25 cents a pound for refined cane sugar, as agreed upon by beet sugar producers, was too low and would allow little or no margin of profit to planters. Louisiana raw sugar, it was figured, would be worth about 5.8 cents with refined at 7.25.

A price of 5.8 cents for raw sugar would be an increase of 47 per cent over the average price during the year before the war, but, according to the statement, cost of production since has increased approximately 126 per cent.

Should planters receive no more than 5.8 cents, the statement said, production would be greatly decreased.

NO WAR TAX ON TICKETS OF SOLONS ON HAWAII TRIP

SAN FRANCISCO, Oct. 18.—The forty United States senators and congressmen who will sail on the Matson liner Matsonia next week for Hawaii, at the invitation of the Territory of Hawaii, have saved themselves \$16 apiece by forethought.

The round-trip fare for each member, including inter-island fares, average \$2000. The war tax on these fares is 8 per cent. When the orders came for the tickets to each was attached a slip stating that the ticket would be free from war taxes, as the purchaser was traveling on government business.

The war tax bill exempts those on such a mission.

AD CLUBBERS TO HEAR REPORT ON TENEMENTS

The Ad club at its weekly meeting tomorrow will again devote attention to tenement conditions exposed by the investigation of its special committee. Following the report of the special committee as outlined in the Star-Bulletin Saturday, the club will hear Dr. J. S. B. Pratt of the board of health speak on "Tenements, Their Evils and the Remedies."

The musical program will be in the hands of the Castner quartet, comprising Messrs. Wisniewski, Slattery, Magner and Slowinski. Under the guidance of Professor Kelley, pianist, the Ad club will hear a rendition of F. B. Silverwood's newest song, "Honolulu, I'm Coming Back Again."

BY AUTHORITY.

The quarantine placed on the Island of Oahu by Rule XI of the Division of Animal Industry, approved on May 25, 1917, which forbade the shipping of animals from Oahu, is hereby lifted and the other provisions contained in said rule are no longer in effect.

BOARD OF COMMISSIONERS OF AGRICULTURE AND FORESTRY, Honolulu, Oct. 29, 1917. 6930—1t

NOTICE TO CREDITORS.

The undersigned, duly appointed Administrator of the Estate of Iwai of Kohala, deceased, hereby gives notice to all creditors having claims against said estate to present their claims, duly authenticated, and with proper vouchers, if any exist, to the undersigned, at his office in Kohala, Hawaii, within six months from the date hereof (which is the date of the first publication of this notice) otherwise such claims, if any, will be forever barred.

And all persons indebted to the said estate are hereby notified to make payment to the undersigned at his said office.

Dated, Kohala, Hawaii, October 29, 1917.

H. L. HOLSTEIN, Administrator of the Estate of Iwai of Kohala, Deceased.

6930—Oct. 30, Nov. 6, 13, 20, 27.

When Your Eyes Need Care Try Marine Eye Remedy

Honolulu Stock Exchange Tuesday, Oct. 30.

MERCANTILE—	
Alexander & Baldwin	.....
C. Brewer & Co.	.....
SUGAR—	
Ewa Plantation Co.	31 1/4 31 1/2
Haiku Sugar Co.	.....
Hawaiian Agr. Co.	.....
Hawn, Com. & Sugar Co.	43
Hawaiian Sugar Co.	.....
Honokaa Sugar Co.	3 1/2
Honomu Sugar Co.	.....
Hutchinson Sugar Plant.	.....
Kahuku Plantation Co.	.....
Kekaha Sugar Co.	.....
Koloa Sugar Co.	177 1/2
McBryde Sugar Co., Ltd.	8 1/2 8 3/4
Oahu Sugar Co.	29 3/4 30
Olaa Sugar Co., Ltd.	7 7/4
Onomea Sugar Co.	.....
Paahau Sugar Plant. Co.	.....
Pacific Sugar Mill	7 1/2
Paia Plantation Co.	.....
Pepee Sugar Co.	.....
Pioneer Mill Co.	34 34 1/4
San Carlos Milling Co.	18 18 1/2
Waialua Agr. Co.	24 24 1/4
Waialuku Sugar Co.	.....
MISCELLANEOUS—	
Endau Dev. Co., Ltd.	.....
1st Is. As. 7 pc. Pd.	.....
2nd Is. As. fully paid.	.....
Haiku Fruit & Pack, Pfd.	.....
Haiku Fruit & Pack, Com.	.....
Hawaii Con. Ry. 7 pc. A.	6
Hawaii Con. Ry. 6 pc. B.	.....
Hawaii Con. Ry. Com.	.....
Hawaiian Electric Co.	.....
Hawaiian Pineapple Co.	40 1/4 41
Hon. Brew. & Malt Co.	18 1/2 19 1/2
Honolulu Gas Co., Ltd.	.....
H. R. T. & L. Co.	.....
Inter-Island S. N. Co.	.....
Mutual Telephone Co.	.....
Oahu Railway & Land Co.	.....
Pahang Rubber Co.	.....
Selama-Dindings Plant.	.....
Selama-Dindings. (70 pc.)	.....
Tanjong Oluk Rubber Co.	.....
BONDS—	
Beach Waik. Imp. Dist.	.....
Hamakua Ditch Co. 6s.	.....
Hawaii Con. Ry. 5 pc.	.....
Hawaiian Irr. Co. 6s.	.....
Haw. Terr. 4 pc. Pub. Imp.	.....
Haw. Terr. 4 pc. Pub. Imp.	.....
Haw. Terr. 3 1/2 pc.	.....
Honokaa Sugar Co. 6 pc.	.....
Honolulu Gas Co., Ltd. 5s.	.....
Hilo Gas Co. 6 pc.	97 100
Kaula Ry. Co. 6s.	.....
Manoa Imp. Dist. 5 1/2 pc.	.....
McBryde Sugar Co. 5s.	.....
Mutual Telephone 5s.	.....
Oahu Railway & Land Co.	.....
Olaa Sugar Co. 6 pc.	.....
Pacific Guano & Fer. Co.	.....
Pacific Sugar Mill Co.	100
San Carlos Milling Co.	.....

Between Boards: Sales: 15, 70, 100, 175, 100, 6.50; 180, 10, 35, 40 Olaa, 6.75; 85, 15, 50 Olaa, 29.75.	
Session Sales: 15 McBryde, 8.75; 60, 5, 5, 40, 45, 15 Pioneer, 34; 5 Olaa, 7; 100 Olaa, 29.75; 10, 5 Ewa, 31.50.	
Latest sugar quotation: 96 deg. test, 6.90 cents, or \$133 per ton.	
UNLISTED SECURITIES.	
Tuesday, Oct. 30.	
OIL—	Bid Asked
Honolulu Con. Oil	4.25 4.30
MINING—	
Engels Copper Mining	6.00 6.25
Mineral Products Co.	.06 .07
Mountain King Mining	.10 .14
Montana Bingham Co.	.47 .48
Madera Mining Co.	.30 .32

Sales: 2000 M. Products, .08; 445 Hon. Oil, 4.25; 600 Engels, 6.00; 1500 Bingham, 41; 3200 Bingham, 42; 4500 M. Products, .07; 100 Bingham, 43; 100 Bingham, 44; 2300 Bingham, 45; 6310 Bingham, 46; 1200 Bingham, 47.

Henry Waterhouse Trust Co., Ltd.

Members Honolulu Stock and Bond Exchange

Fort and Merchant Streets Telephone 1208

Buenos Aires is reported to be suffering from hunger on account of the railroad strike.

Special Prices on

Sugar 6.90cts

CYCLOPEDIAS

PATTEN'S Hotel St.

THE J. S. WINVICK CO.

PAINTING

Paper Hanging and Decorating Rear Stangenwald Bldg. Phone 3134 Estimates Cheerfully Furnished.

BURNERS

Distillate, Crude Oil and Kerosene

DURANT-IRVINE CO., LTD.

45 King St. Phone 1962824 Kaahumanu St. Tel. 6247 or 3222

FOR RENT

Electricity, gas, screens in all houses

Neat two-bedroom house in town, \$21

Small furnished cottage for two, \$15

Fine new 3-bedroom house, \$30.

J. H. SCHNACK

Federal War Taxes

Complete information to all concerning effect of the new taxes and surtaxes on individuals and corporations.

Bishop Trust Co., Limited

Bethel Street Phone 3646



HAWAIIAN TRUST CO., Ltd.

Stocks and Bonds Real Estate Insurance Safe Deposit Vaults Authorized by law to act as Trustees, Executors, Administrators and Guardians

If You Want

Life, Fire, Marine, Automobile, Tourists' Baggage or Accident Insurance,

CALL UPON

CASTLE & COOKE, Limited

General Insurance Agents

Fort and Merchant Streets

Enlist

your surplus capital in your own and your family's welfare. Start a Savings Account.

4%

Interest Paid on Savings Deposits.

Bank of Hawaii, Ltd.

Fort and Merchant

Bank of Honolulu Ltd.

Fort Street, near Queen Transacts a General Banking Business.

Invites your account and guarantees safe and efficient service. Exchange, Letters of Credit and Travelers' Checks issued on principal points.

Cable Transfers

THE YOKOHAMA SPECIE BANK, LIMITED.

Capital subscribed...yen 4,000,000 Capital paid up...yen 30,000,000 Reserve funds...yen 22,100,000 S. AWOKI, Local Manager

E. C. PETERS 210 McCandless Bldg. Honolulu, T. I.

Stocks, Bonds, Securities, Loans Negotiated, Trust Estates Managed

P. H. BURETTE 79 Merchant St. Phone 1845

NOTARY PUBLIC Commissioner of Deeds California and New York

Draws: Wills, Deeds, Mortgages and all Legal Documents

LUMBER Paints, Plumbing Supplies, Building Materials, Prices low. Houses built on installment plan. Choice House Lots for sale

CITY MILL COMPANY, LTD. F. O. Box 951 Telephone 2478

PACIFIC ENGINEERING COMPANY, LIMITED

Consulting, Designing and Constructing Engineer.

Bridges, Buildings, Concrete Structures, Steel Structures, Sanitary Systems, Reports and Estimates on Projects. Phone 1045.

BURNERS

Distillate, Crude Oil and Kerosene

DURANT-IRVINE CO., LTD.

45 King St. Phone 1962824 Kaahumanu St. Tel. 6247 or 3222

C. BREWER & CO. (LIMITED)

SUGAR FACTORS COMMISSION MERCHANTS SHIPPING AND INSURANCE AGENTS

FORT ST., HONOLULU, T. H.

List of Officers and Directors: E. F. BISHOP, President; G. H. ROBERTSON, Vice-President and Manager; R. IVERS, Vice-President and Secretary; A. GARTLEY, Vice-President; E. A. R. ROSS, Treasurer; GEO. R. CARTER, Director; C. H. COOK, Director; J. R. GALT, Director; R. A. COOKE, Director; D. G. MAY, Auditor.

Alexander & Baldwin Limited

Sugar Factors Commission Merchants and Insurance Agents

Agents for Hawaiian Commercial & Sugar Company.

Haiku Sugar Company, Paia Plantation Company, Maui Agricultural Company, Hawaiian Sugar Company, Kahului Railroad Company, Kahului Railroad Company, Kaula Fruit & Land Co., Ltd. Honolulu Ranch.

Keep your SAVINGS

in a safe place. We pay 4% interest BISHOP & COMPANY

Insurance

B. F. DILLINGHAM CO., LTD. PHONE 4915

Fire, Life, Accident, Compensation SURETY BONDS

Money to Loan

HOME INSURANCE COMPANY OF HAWAII, LIMITED

816 Fort Street Telephone 3529

J. F. MORGAN CO., LTD.

STOCK BROKERS Information Furnished and Loans Made

Merchant Street—Star Building Phone 1572

FOR RENT

Electricity, gas, screens in all houses

Neat two-bedroom house in town, \$21

Small furnished cottage for two, \$15

Fine new 3-bedroom house, \$30.

Maui!!

Service, Comfort, Style and Safety is my motto.

1917 COLE 8

By Appointment: A. POMBO ("Bumps") Waialuku, Maui.

SUMMER RATES OAHU RAILWAY and HALEIWA HOTEL

Thirty-day excursion tickets between Honolulu and Waialuku, Haleiwa or Kahuku: First-class, \$2.15; second-class, \$1.80. Special weekly rates at Hotel during summer months, \$25.00. Splendid bathing, golf, tennis, glass-bottom boats, rowing, pool. An ideal vacation resort.

Oahu Railway-Haleiwa Hotel

PAUOA VALLEY

BOOTH ESTATE LOTS

Auction Sale November 10, 1917

Sale on Premises at 2 P. M. 40 HOUSE LOTS

AREAS range from 5000 square feet to 10,000 square feet. Prices range from 4 cents per square foot to 7 cents per square foot. Prices range from \$250 to \$400 per lot.

Location—Just below the old Booth Homestead, within a few hundred yards of the Nuuanu carline or the Emma Street carline.

Soil—Fertile, many fine trees growing. Sewer and water piped to each lot. MAPS—

HAWAIIAN TRUST CO., LTD.